Dear Users:

Thank you for choosing our products.

For your own safety, please read this manual carefully before using.

Please be advised: The manuals are for your reference only. Due to continuous improvements, we reserve the right to amend the specifications without prior notice.

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Important Notes

（1）The smart code lock is a kind of high-tech product, the installation always direct impacts on the operation and service life of the lock. We strongly recommend installing the lock by professional person.

（2）To install the lock after room decoration is recommended. That will avoid the lock surface being damaged and influenced by the wet paint.

（3）After installation and testing, please clear all users information in the lock memory, then register your own admin password at the first time.

（4）To avoid any inconvenience caused by the flat battery, please replace batteries upon the low voltage alarming.

（5）If you are going for a long trip or the lock will be unused for a long time, please carry the keys along with you, and remove the batteries out to ensure the service life of the lock.

（6）Password Capacity: 36 pieces

（7）**Default admin password: 0012345.**

（8）Please record all user information and fill in the User List for future use as below:

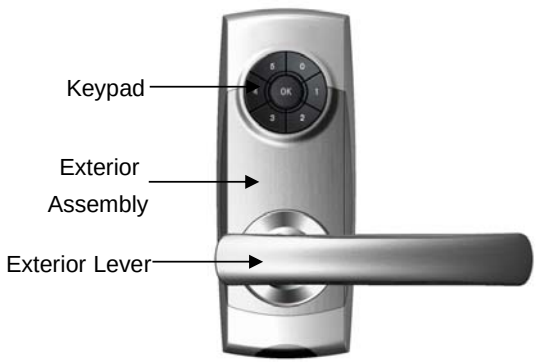
User List

S/N	User ID	Name	Enrollment Date	Serial No	Password No.	Name	Enrollment Date
01	00			19	30		
02	01			20	31		
03	02			21	32		
04	03			22	33		
05	04			23	34		
06	05			24	35		
07	10			25	40		
08	11			26	41		
09	12			27	42		
10	13			28	43		
11	14			29	44		
12	15			30	45		
13	20			31	50		
14	21			32	51		
15	22			33	52		
16	23			34	53		
17	24			35	54		
18	25			36	55		

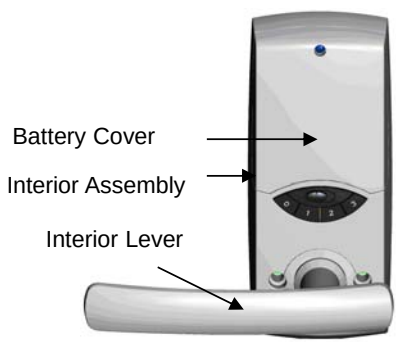
1 Product Introduction

1.1 Production Drawings

1.1.1 External View

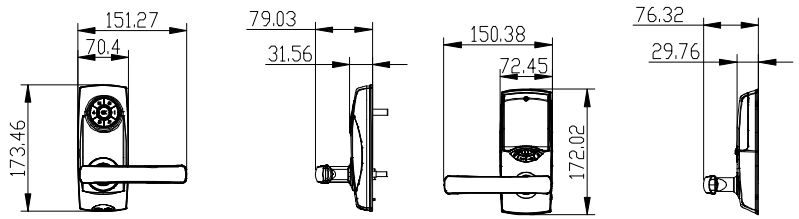


Exterior Assembly



Interior Assembly

1.1.2 Dimensional



Front view Side view Back view Side view

1.2 Product Features

Unlock by Password and Mechanical key override;

Robust and Flexible Mechanical Structure with flexible level;

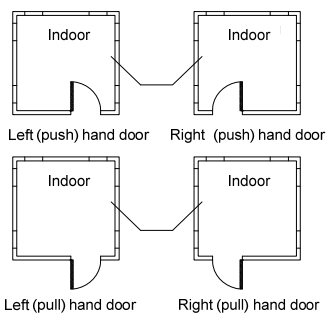
Anti Break-in/Damage Alarm Protection;

Vistor-Friendly with Passage Mode.

1.3 Scope of Application

Perfect for Multi-Family, Apartment, Condominium Housing, Office Building, Government Building, Bank, Court, Hospital and Warehouse.

1.4 Door Handing



Left-handed door: when you stand outside the door and the fixed hinges are on the left, the password lock is then defined as left-handed door, which is further divided into left-handed (push) door and left-handed (pull) door.

Right-handed door: when you stand outside the door and the fixed hinges are on the right, the password lock is then defined as right hand door, which is further divided into right-handed (push) door and right-handed (pull) door.

1.5 Technical Parameters

No.	Item	Technical Parameters
1	Static current	≤30μA
2	Dynamic current	≤ 200mA
3	Lifetime of battery	5,000 times to unlock the door
4	Operating voltage	DC6V
5	Power supply	AA Battery
6	Emergency power supply	DC9V
7	Low battery warning	4.8V±0.2V
8	control system	Single circuit
9	Password capacity	36
10	Operating temperature	-10℃~55℃
11	Operating humidity	10%~90%
12	Open door direction	Left handed and right handed
13	Door thickness(mm)	35-80

(Note: Parameters subject to change without prior notice)

2 Function

2.1 Unlock Mode

Unlock by Password and Mechanical keys.

2.2 Passage Mode

The switch of the passage mode is on the interior lock body.
When the switch in “ON”, the system is in passage mode, the LED light flashes once every three seconds. Then the lock can be unlock free with no verification required.

2.3 Alarm Functions

1) Low Battery Warnings

When the batteries go flat during the unlock, the buzzer will give off warning“beep, beep……”, Then you should replace batteries immediately.

2) Tamper Alarm

When the lock be tampered, the buzzer will give off alarm sound of “beep, beep……”.

3) Wrong Try & Lockout Delay Function

Upon inputting the wrong password consecutively 3 times, the buzzer will give off alarm sound “beep, beep……” and the keypad will automatically lockout for 15 minutes.

3 Operation & Management

3.1 Keypad Operation

1) Keypad

The lock with 7 keys: 0, 1, 2, 3, 4, 5 and OK.

Additional, the key 0, 1and 2 also working as function key after the admin password input:

Key	Function
0	Register New User
1	Delete User
2	Clear All User

2) Password

The password length available from 3~12 digitals. It consists of 2 bytes User ID and a piece of Password. After input the password and need to press OK to confirm.

User ID should be combined from 0~5, there are 36 pieces User ID in total as following:

00,01,02,03,04,05, 10,11,12,13,14,15, 20,21,22,23,24,25 ,

30,31,32,33,34,35 , 40,41,42,43,44,45, 50,51,52,53,54,55

"00" is the default Admin User ID.

The User ID start with "5" is one-time password. It will be invalid automatically once after you use it.

3.2 Admin Password Setting

After lock installation, please reset your own Admin Password immediately for security:

① Open battery cover and remove one battery, slid the switch to “ON”.

② Press and hold “0” on exterior locks assembly. Then reload the battery;
Beeps “Do re mi...” and LED flashes green.

③ Input “00” + “OK”, Beeps “Do re mi...” and LED flashes green.

④ Input new password (within 10 digitals) + “OK”, Beeps “Do re mi...” and LED flashes green.

⑤ Repeat step 4 and set finished

Note: The original admin password will be overwrite by new admin password.

3.3 Add New User

Step as following:

① Input Admin Password + “OK”, beeps “Do re mi...” and LED flashes green.

② Input “0”+ “OK”, beeps “Do re mi...” and LED flashes green.

③ Input User ID + “OK”, beeps “Do re mi...” and LED flashes green.

④ Input user password within 10 digit + “OK”, beeps “Do re mi...” and LED flashes green.

⑤ Repeat step 4 and set finished.

Note: The User ID composed by 2 digit from 0~5, and should to follow the User List.

3.4 Delete User

Step as following:

① Input Admin Password + “OK”, beeps “Do re mi...” and LED flashes green.

② Input “1” + “OK”, beeps “Do re mi...” and LED flashes green.

③ Input User ID + “OK”, beeps “Do re mi...” and LED flashes green.

Delete Success

Note: The Admin Password can’t be deleted.

3.5 Clear All User

Step as following:

① Input Admin Password + “OK”, beeps “Do re mi...” and LED flashes green.

② Press and hold “2” for 5 seconds， LED light flashes red and alarm sounds.

③ Press “OK”， beeps “Do re mi...” and LED flashes green.

④ Clear Success.

Note: The Admin Password still exist after clear operation.

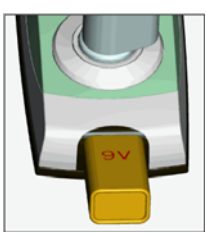
3.6 User Permission

Item	Capacity	User ID	Permission
Admin Password	1 PC	00	Add/Delete User and One-time Password; Unlock the door
User Password	29 PC	01-45	Unlock the door
One-time Password	6 PC	50~55	Unlock one time only

3.7 Emergency Battery

In case of battery depletion, an external 9V battery (6F22， 9V) could be used as an emergency power supply. Connect it via power interface at the bottom of the front lock body to supply power and unlock the door.

Note: Please replace the lock battery immediately after unlocking by emergency battery.



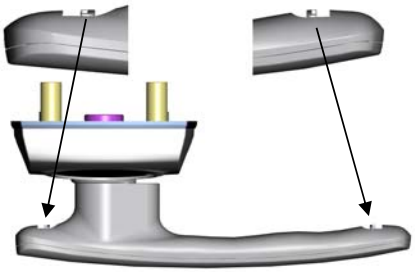
Emergency Battery

3.8 Mechanical Key

Each lock has configured 3 pieces of mechanical keys and they can unlock the door when password failed.

I. Unlock by Mechanical Key

Open the cylinder cover on the exterior level, Insert the mechanical key and turn 90 degrees. Turn the lever downwards to unlock the door.



Buttons on the Exterior Lever

Mechanical Key Operation

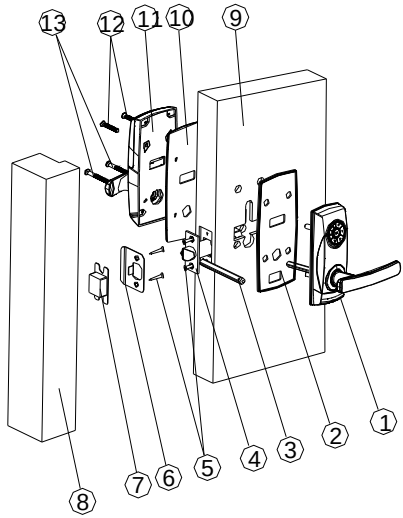
II. Lock the Door by Mechanical Key

Turn the mechanical key 90 degrees by opposite direction, pull out the key when the door closed.

Note: Please install back the cylinder cover after the door unlocked.

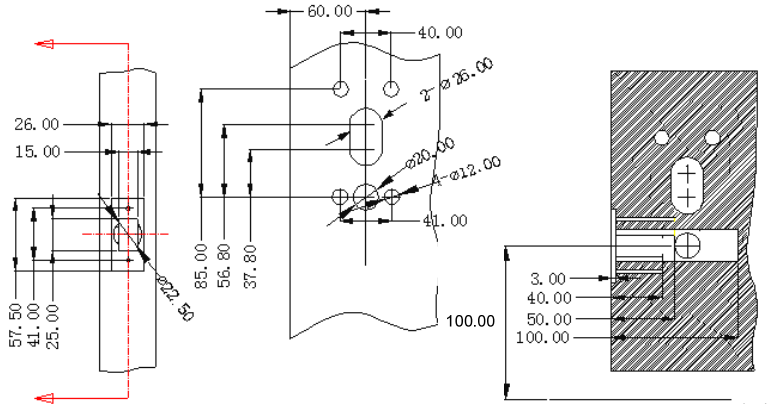
4 Installation

4.1 Assembly Drawing



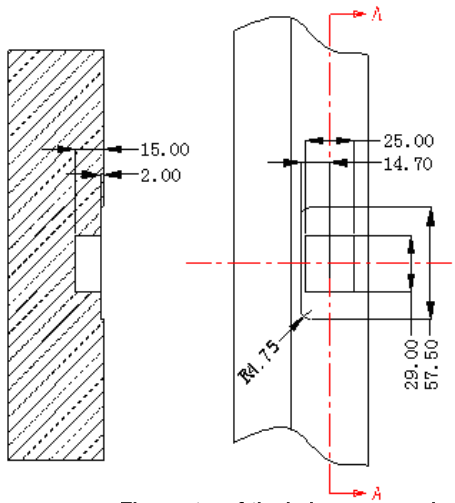
1. Exterior Assembly
2. Exterior Rubber Plate
3. Spindle
4. Latch Assembly
5. Tapping Screw
6. Strike Plate
7. Strike Box
8. Door Frame
9. Door
10. Interior Rubber Plate
11. Interior Assembly
12. Metric Screw
13. Metric Screw

4.2 Hole Dimension

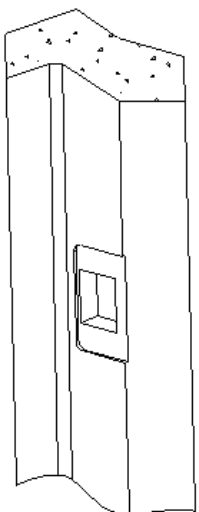


Door (Side View) Door (Front View) Door (Cross Section A-A)

Hole Pattern (Door)



The center of the hole corresponds to the center line of latch assembly



Door Frame (3D Graph)

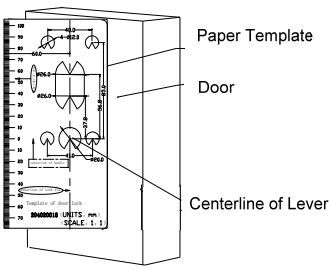
Hole Pattern (Door Frame)

4.3 Installation

4.3.1 Installation Step

（1） Determine the Centerline and Positions of Holes

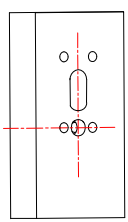
Draw a horizontal line at a certain height (e.g. 100cm) above the bottom of the door as the centerline of lever. Align the hole of the centerline of lever with the hole drew on the door, and the edge of paper template with door edge. Draw the position line of the hole on both sides of the door (including the outline and centerline of the hole), and extend the lever centerline to the side of the door and draw the face plate and lock outlines (as shown in the following figure).



Template of Holes

（2） Drill Holes

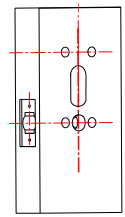
Drill holes from both sides of the door. The drilling depth shall be about half of the door thickness to avoid cracking the door. When drilling the square hole, drill at the centerline first, and then saw the hole to be square with a ribbon saw in accordance with the outline.



Sketch Map of Hole Pattern

（3） Slotting

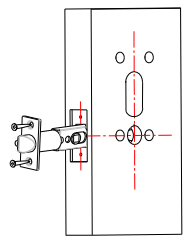
Slot the face plate and latch assembly tank along the door centerline with chisel and drill in accordance with the size in Section 3.2.



Slotting

（4） Install latch bolt

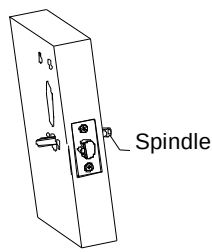
Insert the latch assembly into the prepared wooden door, and fix it on the wooden door with countersunk head tapping screws (KA4x18mm), and ensure the flexibility of latch bolt.



Latch Assembly Installation

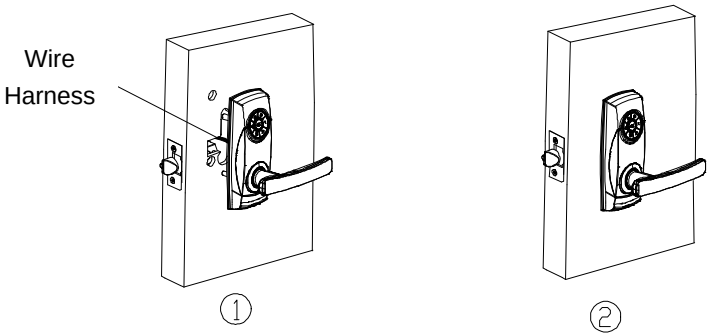
（5） Install Exterior Assembly

① Install spindle as shown in the following figure:



Spindle Installation

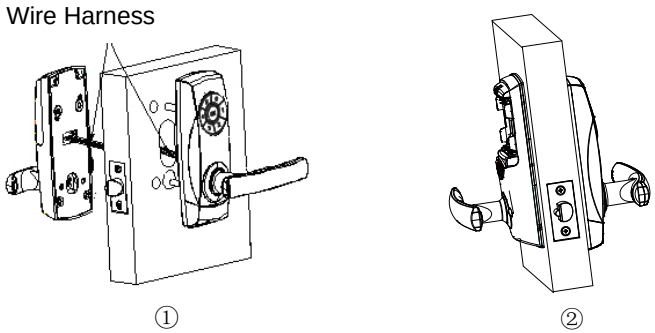
② Put the wire harness on the exterior assembly through square hole (as shown in figure ①), then install the exterior assembly on the door (as shown in figure ②)



Exterior Assembly Installation

（6） Install Interior Assembly

Remove the battery pack cover and batteries, connect the power harness on the interior assembly with the one on the exterior assembly (as shown in figure ①), then install the interior assembly on the door (as shown in figure ②)

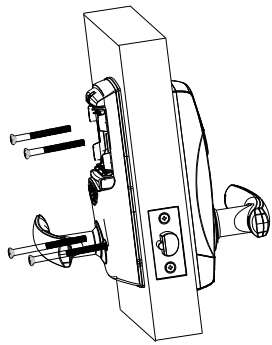


Interior Assembly Installation

（7） Fix the Exterior and Interior Assemblies

Firstly insert the screws into the corresponding holes as shown in the following figure. Secondly tighten the screws with a cross screwdriver (keeping the exterior and interior

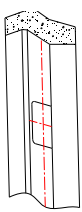
assemblies loose); Then set up the exterior and interior assemblies (keeping the exterior and interior assemblies to be symmetric, the lock side shall be parallel with the door side, and the lever and latch bolt can move freely); After adjusting the exterior and interior assemblies, please tighten the screws (keeping the exterior and interior assemblies tightened); Finally, load the batteries and install interior battery pack cover to the interior assembly.



Fixing Assemblies

（8） Determine the holes position for strike box and strike plate

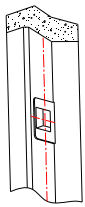
Push the door close to the door frame, draw the lever centerline on the door frame and also draw the outline of striking box and striking plate with the drilling dimensions shown in on figure 3.2.



Lines on Door Frame

（9） Drilling holes for striking box and striking plate

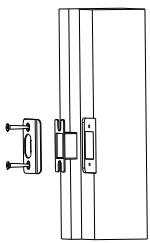
Drilling the holes for striking box and striking plate according to the specified dimension and smooth them with a chisel.



Holes on Door Frame

（10） Install Striking Box and Striking Plate

Install striking box and striking plate on the door frame and fix them with countersunk head tapping screws (KA4x18).



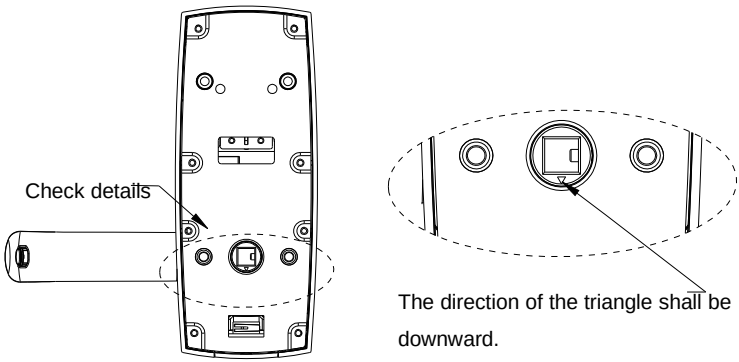
Strike Box and Strike Plate Installation

4.3.2 Test the Lock

Please test the lock according to the corresponding section 2 step by step after installation finished, that make sure the lock working normal and security.

4.3.3 Notes for Installation

1. Before installation, please check the door thickness will meet the requirement: 35-80mm;
2. During installation, please handle the lock carefully to avoid any scratching of the surface and damage to the wire harness.
3. Before the installation of exterior lock assembly, please make sure the convex column at the backside with correct direction as shows below;



Convex Column Direction

4.Before fixed the Interior assembly, please rotate the lever to the open position and tighten the M5 screw below the lever.

5. Do not press the wire harness when fixing the assembly.

5 Maintenance

- The lock face is prohibited to contact with corrosive substances so as not to damage the prevention layer of the lock face and affect the glossiness of lock face.
- The lever is a key part of the door lock, and its performance will directly influence its operation. Do not hang any objects on the lever.
- If the door were deformed, the friction between bots and striking box will be enlarged and the bolt cannot extend fully. Hereby, the position of door striking plate should be adjusted.
- Please according to the specific models to replace the AA batteries timely when the lock sounds low battery warning. Pay attention to the positive and negative poles of batteries during replacement.
- Please keep the mechanical keys well.
- If the lock can't be rotated flexibly or the lock can't be kept in correct position, you should invite the professionals to fill the mortise with mechanical lubricant.
- Ensure that transmission part of the assemblies with lubricant to maintain its smoothness and extend its lifetime. It is recommended to check the screw condition once one year.
- Some graphite powder or pencil powder can be fill in the keyway regularly (one year) or if the keys cannot inserted or pulled out smoothly. However, any kind of oil is prohibited to fill in the cylinder that to prevent the ball spring be sticked.

6 Attachments

6.1 Attachment 1 Packing List

No	Item	Quantity	Note
1	Exterior assembly	1	
2	Interior assembly	1	
3	Latch assembly	1	
4	Strike box	1	
5	Strike plate	1	
6	Exterior Rubber plate	1	
7	Interior Rubber plate	1	
8	AA batteries	4	
9	Countersunk head tapping screw KA4x18	4	To fix latch and strike plate
10	Raised countersunk head cross screw	4	
11	Spindle	1	
12	Mechanical key	3	
13	Installation Template	1	
14	User manual	1	
15	QC Certificate	1	
16	Warranty card	1	

6.2 Attachment 2 Installation Tools

Hammer	Pencil	Screwdriver	Chisel
Cutter knife	Hand drill	Angle square	Tape measure
Alloy bit ø12	Alloy bit ø20	Ribbon saw	Power board